

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,716	01/09/2001	Holly Magna	PF-0420-2 DIV	8687
27904 7	590 10/21/2002			
INCYTE GENOMICS, INC.			EXAMINER	
3160 PORTER PALO ALTO,			DECLOUX	, AMY M
			ART UNIT	PAPER NUMBER
			1644	CI
			DATE MAILED: 10/21/2002	V

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		09/757,716	MAGNA ET AL.		
		Examiner	Art Unit		
		Amy M. DeCloux	1644		
Period f	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the	c rrespondence address		
THE - Extended after aft	MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1. or SIX (6) MONTHS from the mailing date of this communication. the period for reply specified above is less than thirty (30) days, a reply operiod for reply is specified above, the maximum statutory period ture to reply within the set or extended period for reply will, by statut reply received by the Office later than three months after the mailing the patent term adjustment. See 37 CFR 1.704(b).		timely filed ays will be considered timely. m the mailing date of this communication. IED (35 U.S.C. § 133).		
1)🛛	Responsive to communication(s) filed on 23	July 2002 .			
2a)□	This action is FINAL . 2b)⊠ Ti	his action is non-final.			
3) Disposit	Since this application is in condition for allow closed in accordance with the practice under tion of Claims	•	•		
4)🛛	Claim(s) 45-64 is/are pending in the applicati	ion.			
	4a) Of the above claim(s) 45,47,50,52 and 61	-64 is/are withdrawn from conside	eration.		
5)	Claim(s) is/are allowed.				
6)	Claim(s) 46,48,49,51 and 53-60 is/are rejecte	∍d.			
7)	Claim(s) is/are objected to.				
8)[Claim(s) are subject to restriction and/	or election requirement.			
Applica	tion Papers				
9)	The specification is objected to by the Examin	er.			
10)🛛	The drawing(s) filed on 09 January 2001 is/are	e: a)☐ accepted or b)☒ objected to	by the Examiner.		
	Applicant may not request that any objection to the				
11)	The proposed drawing correction filed on	_ is: a)☐ approved b)☐ disapp	roved by the Examiner.		
	If approved, corrected drawings are required in re				
,	The oath or declaration is objected to by the E	examiner.			
Priority	under 35 U.S.C. §§ 119 and 120				
·	Acknowledgment is made of a claim for foreig	gn priority under 35 U.S.C. § 119	(a)-(d) or (f).		
а) All b) Some * c) None of:				
	1. Certified copies of the priority documer				
	2. Certified copies of the priority documer				
	3. Copies of the certified copies of the pri- application from the International B See the attached detailed Office action for a lis	Bureau (PCT Rule 17.2(a)).	·		
	Acknowledgment is made of a claim for domes	· ·			
	a) The translation of the foreign language polyacknowledgment is made of a claim for domes	rovisional application has been re	eceived.		
Attachme	_	and priority under 30 O.S.C. 99 1/	EU GHW/UL 121.		
1) Not 2) Not	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review (PTO-948) ormation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) al Patent Application (PTO-152)		

Art Unit: 1644

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group II which correspond to newly added claims 46, 48-49, 51 and 53-60, in Paper No. 8, filed 7-23-02, is acknowledged. The traversal is on the ground(s) that the claims of Groups III and IV and V are process claims drawn to the same scope of products defined by Group I and there would be no undue burden on the examiner to consider all of the pending claims together. Applicants further contend that there is minimal additional burden on the examiner to examine newly added claims 63-64 drawn to polynucleotides since claims directed to polynucleotide inventions have already been issued in the parent case. It is noted that each application is examined on the basis of its own merits and that the instant examiner did not examine the parent application.

This is not found persuasive because a search of the product of Group II is distinct from the methods of Groups III, IV and V for the reasons given in the restriction mailed 7-14-02 (Paper No. 6), and as such Group II has acquired a separate status in the art from that of Groups III, IV and V because of their recognized divergent subject matter. It is further noted that the polynucleotide subject matter of newly added claims 63-64 has acquired a separate status in the art from the antibody subject matter of Group II. MPEP 803 states that: "For the purposes of the initial requirement, a serious burden on the examiner may be prima facie shown if the examiner shows by appropriate explanation either separate classification, separate status in the art, or different field of search. Though the searches for Group II and for that of Groups III, IV and V are overlapping, they are not coextensive. Therefore, an examination and search of Group II with Groups III, IV and V in a single application would constitute a serious undue burden on the Examiner, and restriction for examination purposes as indicated is proper.

The requirement is still deemed proper and is therefore made FINAL.

Claims 45, 47, 50, 52 and 61-64 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in Paper No. 8, filed 7-23-02.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Art Unit: 1644

Priority

Applicant should update the status of the priority document disclosed in the first sentence of the specification.

Drawings

New formal drawings are required in this application because of the reasons outlined in the attached Drawing Review. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, MUST be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

3. Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in **ABANDONMENT** of the application.

Art Unit: 1644

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

A) Claims 46, 48-49, 51, 53-60 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. This is a written description rejection.

Claims 46, 48-49, 51, 53-60 are drawn to an antibody which specifically binds to a polypeptide comprising an amino acid of SEQ ID NO:1, to a polypeptide comprising a naturally occurring amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1, to a biologically active fragment of a peptide having an amino acid sequence of SEQ I DNO:1, and to an immunogenic fragment of a polypeptide having an amino acid sequence of SEQ ID NO:1, a composition comprising said antibody and a method of making said antibody.

The specification discloses on page 11 that the term identity may substitute for the term homology and refers to a degree of complementarity. By incorporating percent identity language into the claims, the antibodies encompassed are directed not only to a polypeptide having an amino acid sequence of SEQ ID NO:1, but also to variants of the said polypeptide which can contain amino acid alterations, including additions, deletions and substitutions, which include polypeptides with no recited functional limitations. It is noted that the specification does not appear to describe any said polypeptides comprising an amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1, except for that of SEQ ID NO:1.

Regarding fragments of a polypeptide having an amino acid sequence of SEQ ID NO:1, the instant specification discloses on page 10 that the term biologically active refers to a protein having structural regulatory or biochemical functions of a naturally occurring molecule. For examination purposes it is assumed that the molecule referred to is a polypeptide comprising the amino acid sequence of SEQ ID NO:1, and notes no such fragments have been described in the specification. It is also noted that the specification neither specifically defines nor describes an immunogenic fragment of SEQ ID NO:1; but does disclose on page 56 that the amino acid sequence from the cDNA encoding NTPPH-2 is analyzed using DNASTAR (TM) software to determine regions of high immunogenicity. Further, the Examples in the instant specification do not appear to describe any biologically active fragments nor any immunogenic fragments of a polypeptide having an amino acid sequence of SEQ ID NO:1.



Also the specification discloses no description of the required structural features of the Application/Control Number: 09/757,716 Also the specification discloses no description of the required structural readures of the prior at provide polypeptide that are essential for the activity (ies) of NHTPPH-2, nor does the prior at enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings to enable one of skill to identify said structural or correlative teachings. Art Unit: 1644

polypepude mal are essential for the activity teachings to enable one of skill to identify said structure.

Without a description of the hiologically active or immunogenic fragments of a notive or immunogenic fragments. compensatory structural or correlative leachings to enable one of skill to identify said splypeptide.

Without a description of the biologically active or immunogenic fragments of a polypeptide.

NO.1 and without a description of the biologically active or immunogenic fragments of a polypeptide. Without a description of the biologically active of infillumogenic fragments of a polypeptide having an amino acid sequence of SEQ ID NO:1. and without a description of a polypeptide having an amino acid sequence of SEQ ID NO:1. naving an amino acid sequence of DEQ ID INO.1. and with the averaging of CEO ID NO.1. (with the averaging of CEO ID NO.1. (with the averaging of CEO ID NO.1.) comprising a naturally occurring amino actu sequence at least 90% identical to an amino actused sequence of SEQ ID NO:1), there is not an adequate sequence of SEQ ID NO:1 (with the exception of SEQ ID NO:1), there is not an adequate which encoding the sequence of SEQ ID NO:1 (with the exception of SEQ ID NO:1), there is not an adequate sequence of SEQ ID NO:1 (with the exception of SEQ ID NO:1), there is not an adequate sequence of SEQ ID NO:1 (with the exception of SEQ ID NO:1), there is not an adequate sequence of SEQ ID NO:1 (with the exception of SEQ ID NO:1) sequence of SEQ ID NO:1 (with the exception of an antibody which specifically binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the specifically binds to the but the instant claims with the exception of an antibody which specifically binds to the but the instant claims with the exception of an antibody which specifically binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the polypeptides and the binds to the polypeptides encompassed disclosed description of an antibody which specifically binds to the polypeptides and the binds are the binds th

uiscrosed description of an antibody which specifically binds to the by the instant claims with the exception of an antibody which specifically binds to the

The instant disclosure of an antibody to SEQ ID NO:1 does not adequately describe the polypeptide comprising the amino acid sequence of SEQ ID NO:1.

Ine instant disclosure of an antibody which specifically binds to a polypeptide comprising scope of the claimed genus of an antibody which specifically binds to an amino acid sequence at least 00% identical to an amino acid sequence at least 00% identical to an amino acid sequence at least 00% identical to an amino acid sequence at least 00% identical to an amino acid sequence at least 00% identical to an amino acid sequence at least 00% identical to an amino acid sequence at least 00%. scope of the chained genus of an antibody which specifically binds to an amino acid sequence of a naturally occurring amino acid sequence at least 90% identical to an amino acid sequence of a naturally occurring amino acid sequence of a nentide having an amino acid sequence of a nentide having an amino acid sequence. a naturally occurring amino actu sequence at least 7070 lucinical to an amino acid sequence of SEQ ID NO:1, a biologically active fragment of a peptide having an amino acid sequence of SEQ ID NO:1, a biologically active fragment of a naturalized having an amino acid sequence of SEQ ID NO:1, and an immunicacing fragment of a naturalized having an amino acid sequence of SEQ ID NO:1, a biologically active fragment of a naturalized having an amino acid sequence of SEQ ID NO:1, a biologically active fragment of a naturalized having an amino acid sequence of sequence of the SEQ ID NO:1, a protogramy active tragment of a polypeptide having an amino acid sequence SEQ ID NO:1, and an immunogenic fragment of a polypeptide having an amino acid sequence of the polypeptide having acid sequence of the polypeptide hav SEQID NO:1, and an immunogenic tragment of a polypepuluc naving an annio actu sequence of SEQID NO:1, a composition comprising said antibody and a method of making said of SEQID NO:1, a composition comprising said antibody and a method of making said antibody and a method of making said of separate said antibody and a method of making said of separate said antibody and a method of making said of separate said antibody and a method of making said of separate said antibody and a method of making said antibody and a method of making said of separate said antibody and a method of making said antibody and a method of making said of separate said antibody and a method of making said antibody and a method of separate said a

antibody, which encompasses a substantial variety of subgenera of antibodies. It is noted that a description of a genus of cDNAs may be achieved by means of a

recitation of a representative number of cDNAs, defined by nucleotide sequence, falling which the scope of the genus or of a recitation of structural features common to the genus or of a recitation of structural features common to the genus or of a recitation of structural features common to the genus or of a recitation of structural features common to the genus or of a recitation of structural features common to the genus or of a recitation of structural features. reculation of a representative number of collection of structural features common to the genus, which the scope of the genus, or of a recitation of structural features of the University of California features common to the genus, or of a recitation of the genus of the University of California features constitute a substantial neutron of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the structural features common to the genus, or of a recitation of the genus of the genus of the structural features common to the genus of the str

Eli Lilly&Co., 119F3d 1559, 1569, 43 USPQ2d 1398, 1406 (Fed. Cir. 1997).

Vas-Cath Inc. V. Mahurkar, 19 USPQ2d 1111, makes clear that "applicant must convey he or she was as of the filing date sought he or she was a sonable clarity to those skilled in the art that as of the filing date sought he or she was with reasonable clarity to those skilled in the art that, as of the filing date sought, in noncess of the invention is for nursoness of the invention. The invention is with reasonable clarity to mose skilled in the art that, as of the ming date sought, he or she was in possession of the invention. The invention is, for purposes of the written description whatever is now claimed

whatever is now claimed.

B) Claims 46, 48-49, 51, 53-60 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for an antibody directed to the polypeptide comprising the aming acid sequence of CEO ID NO.1. a composition commissing coid entibody. the amino acid sequence of SEQ ID NO:1, a composition comprising said antibody. method of making said antibody, does not reasonably provide enablement for an action action and antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody, does not reasonably provide enablement for an antibody of making said antibody. memod of making said and body, does not reasonably provide enablement for an and body which specifically binds to a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring to a biologically active frament of a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring amino acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring an acid sequence of SEO ID NO.1 to a biologically active frament of a polypeptide comprising a naturally occurring an acid sequence of SEO ID NO.1 to a biological to an acid sequence of SEO ID NO.1 to a biological to an acid sequence of SEO ID NO.1 to a biological to an acid sequence of SEO ID NO.1 to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide comprising a natural to a biological to a polypeptide compr specifically binds to a polypepide comprising a naturally occurring amino acid sequence of SEQ ID NO:1, to a biologically active fragment of a good sequence of SEQ ID NO:1, and to an immunocenic fragment of a great bearing an amino acid sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of SEQ IDNO:1, and to an immunocenic fragment of sequence of sequenc 90% identical to an amino acid sequence of SEQ ID NO:1, and to an immunogenic fragment of a peptide having an amino acid sequence of SEQ IDNO:1, and to an immunogenic model s polypepude naving an amino acid sequence of SEQ ID NO.1, a composition comprising said any person.

The specification does not enable any person antibody and a method of making said antibody.

The specification does not enable any person antibody and a method of making said antibody. anubody and a method of making said anubody.

Ine specification does not enable any person

Ine specification does the invention commensurate in scope with these claims.

Art Unit: 1644

Claims 46, 48-49, 51, 53-60 are drawn to an antibody which specifically binds to a polypeptide comprising an amino acid of SEQ ID NO:1, to a polypeptide comprising a naturally occurring amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1, to a biologically active fragment of a peptide having an amino acid sequence of SEQ I DNO:1, and to an immunogenic fragment of a polypeptide having an amino acid sequence of SEQ ID NO:1, a composition comprising said antibody and a method of making said antibody.

The specification discloses on page 11 that the term identity may substitute for the term homology and refers to a degree of complementarity. By incorporating percent identity language into the claims, the antibodies encompassed are directed not only to a polypeptide having an amino acid sequence of SEQ ID NO:1, but also to variants of the said polypeptide which can contain amino acid alterations, including additions, deletions and substitutions, which include polypeptides with no recited functional limitations. It is noted that the specification does not appear to disclose the sequence of any said polypeptides comprising an amino acid sequence at least 90% identical to an amino acid sequence of SEQ ID NO:1, except for that of SEQ ID NO:1.

Regarding fragments of a polypeptide having an amino acid sequence of SEQ ID NO:1, the instant specification discloses on page 10 that the term biologically active refers to a protein having structural regulatory or biochemical functions of a naturally occurring molecule. For examination purposes it is assumed that the molecule referred to is a polypeptide comprising the amino acid sequence of SEQ ID NO:1, and notes no such fragments have been disclosed in the specification. It is also noted that the specification neither specifically defines nor discloses an immunogenic fragment of SEQ ID NO:1; but does disclose on page 56 that the amino acid sequence from the cDNA encoding NTPPH-2 is analyzed using DNASTAR (TM) software to determine regions of high immunogenicity.

The specification does not appear to disclose or exemplify any said biologically active or immunogenic fragments of a polypeptide having an amino acid sequence of SEQ ID NO:1. Further the instant specification discloses no description of the required structural features of the amino acids that are essential for the activity(ies) of NHTPPH-2, nor does the prior art provide compensatory structural or correlative teachings to enable one of skill to identify said amino acids.

Therefore it would require undue experimentation for one of skill in the art to predict how to make and use antibodies which specifically bind to the recited fragments a polypeptide having an amino acid sequence of SEQ ID NO:1 or to polypeptides with 90% identity to a polypeptide having an amino acid sequence of SEQ ID NO:1, without further guidance and direction from the specification regarding the functional activities of the polypeptides. It is known in the art that even a single amino acid change in a polypeptide's amino acid sequence can have dramatic effects on its function. For example, Sugie K et al.; (PNAS (1997 May 13) 94 (10) 5278-83) teaches that the human glycosylation-inhibiting factor (GIF) protein differs from human macrophage migration inhibitory factor (MIF) by a single amino acid residue, and also notes that GIF is unable to carry out the function of MIF and MIF does not demonstrate GIF bioactivity (see entire article including the Abstract). Without knowing the function of the

polypeptides related to a polypeptide comprising an amino acid sequence comprising of skill to predict the function of NO:1, it would require undue experimentation for one of skill to predict the function of NO:1, polypeptides related to a polypeptide comprising an amino acid sequence comprising SEQ polypeptides related to a polypeptide comprising an amino acid sequence comprising of skill to predict the function of skill to predict the f NO:1, it would require undue experimentation for one of skill to predict the function and it would require undue to said polypeptides, and it would require and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies and composit to make and use the claimed antibodies which specifically binds to make and use the claimed antibodies which specifically binds to make and use the claimed antibodies which specifically binds to make and use the claimed antibodies which specifically binds to make and use the claimed antibodies are composited to the composition of the compositio antibodies which specifically binds to said polypeptides, and it would require undue and composition acid which specifically binds to said polypeptides, and it would require undue and composition are an amino acid antibodies which specifically binds to said polypeptides, and it would require undue an amino acid so said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue and composition and antibodies which specifically binds to said polypeptides, and it would require undue an amino acid said polypeptides, and it would require undue and composition and antibodies which specifically binds to said polypeptides, and it would require undue and composition and antibodies which specifically binds to said polypeptides, and it would require undue and composition and acid antibodies which specifically binds to said polypeptides, and it would require undue and composition and composi Application/Control Number: 09/757,716 experimentation for one of skill to make and use the claimed antibodies and composition acid thereof, other than those antibodies specific for a polypeptide comprising an amino acid thereof, other than those antibodies specific for a polypeptide comprising SEO ID NO:1. In re Fisher, 166 USPQ 18 indicates that the more unpredictable an area is, the more fic enablement is necessary in order to satisfy the statute. Art Unit: 1644 The following is a case of sufficient guidance in the specification. The following is a quotation mentation to practice the claimed invention.

The specification are the lack of surficient to practice the claimed invention. in re risner, 100 USrV 18 incipates that the statute the clans sequence comprising SEQ ID NO:1. The specification shall conclude with one or more claim, particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention. Claims 46, 48-49, 51, 53-60 are rejected under 35 U.S.C. 112, second paragraph, as indefinite for failing to narticularly point out and distinctly claim the subject matter which indefinite for failing to narticularly point out and distinctly claim the subject matter which is the subject of Claims 40, 48-49, 51, 53-60 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. A) The instant claims are indefinite because they depend on a cancelled claim (claim 45). B) The instant claims are indefinite in the recitation of "at least 90% identical" because the term is only to orithm used to define identity is not disclosed in the specification. the algorithm used to define identity is not disclosed in the specification on name 11 hv stating that the term identity may enhance 11 the algorithm used to define identity is not disclosed in the specification. The term is only for the defined in the specification on page 11, by stating that the term identity may an amino acid term homology and refers to a degree of complementarity. It is not clear how an amino degree of complementarity. applicant regards as the invention. defined in the specification on page 11, by stating that the term identity may substituted for it is not clear how an amino acid term homology and refers to a degree of complementarity. It is not clear how an amino acid sequence. sequence can have homology to another amino acid sequence. Any inquiry concerning this communication or earlier communications from the near chand he directed to Amy M. De Claux whose telephone number is 702 306.59 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy M. DeCloux whose telephone number is 703 306-58.

The examiner can normally be reached on M-F 8.00-5.30. If attempts to reach the examiner by telephone are unsuccessful, the examiner is a the favorable on 703 308-3073. The favorable on 703 308-3073. The examiner can normally be reached on M-F 8:00-5:30. It attempts to reach the examiner by telephone are unsuccessful, the examiner supervisor, Christina Chan can be reached on 703 308-3973. The fax phone numbers to reach the examiner by telephone are unsuccessful, the examiner supervisor, The fax phone numbers the fax phone numbers of the fax phone numbers are unsuccessful, the examiner supervisor, Christina Chan can be reached on 703 308-3973. The fax phone numbers of the fax phone numbers are unsuccessful, the examiner supervisor, Christina Chan can be reached on 703 308-3973. The fax phone numbers of the fax phone supervisor, Christina Chan can be reached on 103 308-39/3. The fax phone numbers organization where this application or proceeding is assigned are 703 305-3014 for recommunication where this application of After Final communications and 703 877-9307 for After Final comm organizations and 703 872-9307 for After Final communications.

